

Product datasheet for **SC208603**

PTP4A2 (NM_080391) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PTP4A2 (NM_080391) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PTP4A2
Synonyms:	HH7-2; HH13; HU-PP-1; OV-1; PRL-2; PRL2; ptp-IV1a; ptp-IV1b; PTP4A; PTPCAAX2
ACCN:	NM_080391
Insert Size:	2000 bp



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Insert Sequence: >SC208603 3'UTR clone of NM_080391
 The sequence shown below is from the reference sequence of NM_080391. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GATACCAATGGGCATTGCTGTGTTCAAGAGGAAATGTAACGAAGGCTGACTTGATTGTGCCATTT
AGAGGGAAGTCTTGGTACCTGGAATGTGAATCTGGAATATTACCTGTGTCATCAAAGTAGTGATGGAT
TCAGTACTCCTCAACCACTCTCCTAATGATTGGAACAAAAGCAAACAAAAAGAAATCTCTCTATAAAA
TGAATAAAATGTTAAGAAAAGAGAAAAGAAAAGGAATTAATTCAGTGAAGGATGATTTTGCTCCTAG
TTTTGGAGTTTGAATTTCTGCCAGGATTGAATTTTTGAAATCTCCTGTCTTTTTAAACTTTTTTCAA
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CCATTATGCTTGGCACATAGATCTCCCTGTGGTGGGATTTTTTTTTCCCTTTTTTGTGGGGAGGGT
TGGTGGTATATTTTTCCCTCTTTTTCCCTCCTCCTACATCTCCCTTTCCCCCGATCCAAGTTGT
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TTTTAGATAAAAAAAAAAAAAAAAAACAAAAACAACACCAAAAAAAAAACAGCAGTGATATATATATATAT
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CCTATCTAATACTAGGCAAAGTAGCCAAGGCCTTTTGTGTTTTGTTTTATTTTGATAAATAGTGGAGA
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AGGCAGTAGCCTACTTTTTACACCCTGTAGAATTGTGGGCTGTAGCGTTACTCTGATTTTCTGTCTAG
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CCCTATATGTAAGTTCAGTTTAACTACTGATTGCCTTGTATTACTAGGTTTTTTGAGATTAIAAAAAA
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AGAGAGACATCGTGCAACCAATGAGTAGTGAAGGACTGTGTTGCTTGTGAAGCGGTGTAGTAGCATT
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CAGTTATGATCAGGCTGCATGGACAAAGCAGGTAGAGGGGCACCATCAGGGGCTCTGCACTATTTTCA
CCTCTAAATATTACGTACTCAGTAGTGCCTGCTTCTAGGGCTCTGAATACGGGCTTAAAGTCATCTTG
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CAGACCGGGACCTTGTCTCACACTGATGATACCTCACATGTTGACCGGCTATGTGAAGTGCCTATTTCC
TATGCTGGAGTTTTGATTTTTAACTAAACGCAAATCTGTAGATTCTCTCCTCCTCCATCCAGAAAAACA
AAACAAAATAATGCTTTTCGAAATGTTTCTAGGACTTTAAAACATAATGGTATATCCAAAATTTCTTTA
TTTCAGAATGCAACAATAGATCCATTAATATAGACTCAAGATCAAAACAGCATACTGTAAAGCTAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_080391.4](#)

Summary:

The protein encoded by this gene belongs to a small class of the protein tyrosine phosphatase (PTP) family. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. PTPs in this class contain a protein tyrosine phosphatase catalytic domain and a characteristic C-terminal prenylation motif. This PTP has been shown to primarily associate with plasmic and endosomal membrane through its C-terminal prenylation. This PTP was found to interact with the beta-subunit of Rab geranylgeranyltransferase II (beta GGT II), and thus may function as a regulator of GGT II activity. Overexpression of this gene in mammalian cells conferred a transformed phenotype, which suggested its role in tumorigenesis. Alternatively spliced transcript variants have been described. Related pseudogenes exist on chromosomes 11, 12 and 17. [provided by RefSeq, Aug 2010]

Locus ID:

8073

MW:

76.7